

**CMS** *Private work*

pp 301 pb<sup>-1</sup> (5.02 TeV)

Single-b jet fraction



Templates from PYTHIA8



Templates from HERWIG7

anti-k<sub>T</sub>, R = 0.4 b-tagged jets

$100 < p_{\text{T}}^{\text{jet, reco}} < 120 \text{ GeV/c}, |\eta^{\text{jet}}| < 2$

Soft drop (charged particles)

$z_{\text{cut}} = 0.1, \beta = 0, k_{\text{T}} > 1 \text{ GeV/c}$

SD-untagged

or  $k_{\text{T}} < 1 \text{ GeV/c}$

$z_g$

